

SEQUENCE LISTING

<110> MEDICAL AND BIOLOGICAL LABORATORIES CO., LTD.

<120> Method of isolating monocytes

<130> M3-A0307P

<150> JP 2004-018747

<151> 2004-01-27

<160> 6

<170> PatentIn version 3.1

<210> 1

<211> 669

<212> DNA

<213> Mus musculus

<220>

<221> CDS

<222> (1)..(669)

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gca	cca	tcc	atc	tcc	ttg	gtg	ccc	ccc	tac	cca	agc	agc	cac	gag	gac	96
Ala	Pro	Ser	Ile	Ser	Leu	Val	Pro	Pro	Tyr	Pro	Ser	Ser	His	Glu	Asp	
			20				25					30				

ccc	atc	tac	atc	tcg	tgc	aca	gcc	cca	ggg	gac	atc	cta	ggg	gcc	aat	144
Pro	Ile	Tyr	Ile	Ser	Cys	Thr	Ala	Pro	Gly	Asp	Ile	Leu	Gly	Ala	Asn	
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tca gat cgg cct gat gta aca ttc aat gtg act ggt ggt ggc agt ggt	240
Ser Asp Arg Pro Asp Val Thr Phe Asn Val Thr Gly Gly Gly Ser Gly	
65 70 75 80	
ggt ggc ggt gag gct gct ggg ggg aac ttc tgc tgt caa tat ggt gtg	288
Gly Gly Gly Glu Ala Ala Gly Gly Asn Phe Cys Cys Gln Tyr Gly Val	
85 90 95	
atg ggt gag cac agt cag ccc cag ctg tgc gac ttc agc cag cag gtg	336
Met Gly Glu His Ser Gln Pro Gln Leu Ser Asp Phe Ser Gln Gln Val	
100 105 110	
cag gtc tcc ttc cca gtc ccc acc tgg atc ttg gca ctc tcc ctg agc	384
Gln Val Ser Phe Pro Val Pro Thr Trp Ile Leu Ala Leu Ser Leu Ser	
115 120 125	
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Leu Ala Gly Ala Val Leu Phe Ser Gly Leu Val Ala Ile Thr Val Leu	
130 135 140	
gtg aga aaa gct aaa gcc aaa aac tta cag aag cag aga gag cgt gaa	480
Val Arg Lys Ala Lys Ala Lys Asn Leu Gln Lys Gln Arg Glu Arg Glu	
145 150 155 160	
tcc tgc tgg gct cag atc aac ttc acc aat aca gac atg tcc ttt gat	528
Ser Cys Trp Ala Gln Ile Asn Phe Thr Asn Thr Asp Met Ser Phe Asp	
165 170 175	
aac tct ctg ttt gct atc tcc acg aaa atg act cag gaa gac tca gtg	576
Asn Ser Leu Phe Ala Ile Ser Thr Lys Met Thr Gln Glu Asp Ser Val	
180 185 190	

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 Ala Thr Leu Asp Ser Gly Pro Arg Lys Arg Pro Thr Ser Ala Ser Ser
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Pro Ile Tyr Ile Ser Cys Thr Ala Pro Gly Asp Ile Leu Gly Ala Asn
 35 40 45

Phe Thr Leu Phe Arg Gly Gly Glu Val Val Gln Leu Leu Gln Ala Pro
 50 55 60

Ser Asp Arg Pro Asp Val Thr Phe Asn Val Thr Gly Gly Gly Ser Gly
 65 70 75 80

Gly Gly Gly Glu Ala Ala Gly Gly Asn Phe Cys Cys Gln Tyr Gly Val
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Met Gly Glu His Ser Gln Pro Gln Leu Ser Asp Phe Ser Gln Gln Val
 100 105 110

Gln Val Ser Phe Pro Val Pro Thr Trp Ile Leu Ala Leu Ser Leu Ser

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Ser Cys Trp Ala Gln Ile Asn Phe Thr Asn Thr Asp Met Ser Phe Asp		
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Asn Ser Leu Phe Ala Ile Ser Thr Lys Met Thr Gln Glu Asp Ser Val		
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gca cca tcc atc tcc ttg gtg ccc ccc tac cca agc agc cac gag gac	96
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Ala	Pro	Ser	Ile	Ser	Leu	Val	Pro	Pro	Tyr	Pro	Ser	Ser	His	Glu	Asp		
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ttt	acc	ctg	ttc	cga	ggg	gga	gag	gtg	gtc	cag	cta	cta	cag	gcc	ccc	192	
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Gly	Gly	Gly	Glu	Ala	Ala	Gly	Gly	Asn	Phe	Cys	Cys	Gln	Tyr	Gly	Val		
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Met	Gly	Glu	His	Ser	Gln	Pro	Gln	Leu	Ser	Asp	Phe	Ser	Gln	Gln	Val		
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Gln	Val	Ser	Phe	Pro	Ala	Lys	Ala	Lys	Asn	Leu	Gln	Lys	Gln	Arg	Glu		
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Phe	Asp	Asn	Ser	Leu	Phe	Ala	Ile	Ser	Thr	Lys	Met	Thr	Gln	Glu	Asp		
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tca	gtg	gca	acc	cta	gac	tca	ggg	cct	cgg	aag	agg	ccc	acc	tct	gca	528	
Ser	Val	Ala	Thr	Leu	Asp	Ser	Gly	Pro	Arg	Lys	Arg	Pro	Thr	Ser	Ala		

	165	170	175	
tca tcc tct ccg gag ccc cct gag ttc agc act ttc cgg gcc tgc cag				576
Ser Ser Ser Pro Glu Pro Pro Glu Phe Ser Thr Phe Arg Ala Cys Gln				
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Pro Ile Tyr Ile Ser Cys Thr Ala Pro Gly Asp Ile Leu Gly Ala Asn	
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Phe Thr Leu Phe Arg Gly Gly Glu Val Val Gln Leu Leu Gln Ala Pro	
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Ser Asp Arg Pro Asp Val Thr Phe Asn Val Thr Gly Gly Gly Ser Gly	
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Gly Gly Gly Glu Ala Ala Gly Gly Asn Phe Cys Cys Gln Tyr Gly Val	
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Gln Val Ser Phe Pro Ala Lys Ala Lys Asn Leu Gln Lys Gln Arg Glu	
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gca cca tcc atc cgg ctg gtg ccc ccg tac cca agc agc caa gag gac	96
Ala Pro Ser Ile Arg Leu Val Pro Pro Tyr Pro Ser Ser Gln Glu Asp	
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ccc atc cac atc gca tgc atg gcc cct ggg aac ttc ccg ggg gcg aat	144
Pro Ile His Ile Ala Cys Met Ala Pro Gly Asn Phe Pro Gly Ala Asn	
35 40 45	

ttc aca ctg tat cga ggg ggg cag gtg gtc cag ctc ctg cag gcc ccc	192
Phe Thr Leu Tyr Arg Gly Gly Gln Val Val Gln Leu Leu Gln Ala Pro	
50 55 60	
acg gac cag cgc ggg gtg aca ttt aac ctg agc ggc ggc agc agc aag	240
Thr Asp Gln Arg Gly Val Thr Phe Asn Leu Ser Gly Gly Ser Ser Lys	
65 70 75 80	
gct cca ggg gga ccc ttc cac tgc cag tat gga gtg tta ggt gag ctc	288
Ala Pro Gly Gly Pro Phe His Cys Gln Tyr Gly Val Leu Gly Glu Leu	
85 90 95	
aac cag tcc cag ctg tca gac ctc agc gag ccc gtg aac gtc tcc ttc	336
Asn Gln Ser Gln Leu Ser Asp Leu Ser Glu Pro Val Asn Val Ser Phe	
100 105 110	
cca gtg ccc act tgg atc ttg gtg ctc tcc ctg agc ctg gct ggt gcc	384
Pro Val Pro Thr Trp Ile Leu Val Leu Ser Leu Ser Leu Ala Gly Ala	
115 120 125	
ctc ttc ctc ctt gct ggg ctg gtg gct gtt gcc ctg gtg gtc aga aaa	432
Leu Phe Leu Leu Ala Gly Leu Val Ala Val Ala Leu Val Val Arg Lys	
130 135 140	
gtt aaa ctc aga aat tta cag aag aaa aga gat cga gaa tcc tgc tgg	480
Val Lys Leu Arg Asn Leu Gln Lys Lys Arg Asp Arg Glu Ser Cys Trp	
145 150 155 160	
gcc cag att aac ttc gac agc aca gac atg tcc ttc gat aac tcc ctg	528
Ala Gln Ile Asn Phe Asp Ser Thr Asp Met Ser Phe Asp Asn Ser Leu	
165 170 175	
ttt acc gtc tcc gcg aaa acg atg cca gaa gaa gac ccg gcc acc ttg	576
Phe Thr Val Ser Ala Lys Thr Met Pro Glu Glu Asp Pro Ala Thr Leu	
180 185 190	

gat gat cac tca ggc acc act gcc acc ccc agc aac tcc agg acc cgg 624
Asp Asp His Ser Gly Thr Thr Ala Thr Pro Ser Asn Ser Arg Thr Arg
195 200 205

aag agg ccc act tcc acg tcc tcc tgc cct gag acc ccc gaa ttc agc 672
Lys Arg Pro Thr Ser Thr Ser Ser Ser Pro Glu Thr Pro Glu Phe Ser
210 215 220

act ttc cgg gcc tgc cag 690
Thr Phe Arg Ala Cys Gln
225 230

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$\langle 212 \rangle$	PRT
$\langle 213 \rangle$	Homo sapiens

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Ala Pro Ser Ile Arg Leu Val Pro Pro Tyr Pro Ser Ser Gln Glu Asp
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Pro Ile His Ile Ala Cys Met Ala Pro Gly Asn Phe Pro Gly Ala Asn
35 40 45

Phe Thr Leu Tyr Arg Gly Gly Gln Val Val Gln Leu Leu Gln Ala Pro
50 55 60

Thr Asp Gln Arg Gly Val Thr Phe Asn Leu Ser Gly Gly Ser Ser Lys
65 70 75 80

Ala Pro Gly Gly Pro Phe His Cys Gln Tyr Gly Val Leu Gly Glu Leu
85 90 95

Asn Gln Ser Gln Leu Ser Asp Leu Ser Glu Pro Val Asn Val Ser Phe
 100 105 110

Pro Val Pro Thr Trp Ile Leu Val Leu Ser Leu Ser Leu Ala Gly Ala
 115 120 125

Leu Phe Leu Leu Ala Gly Leu Val Ala Val Ala Leu Val Val Arg Lys
 130 135 140

Val Lys Leu Arg Asn Leu Gln Lys Lys Arg Asp Arg Glu Ser Cys Trp
 145 150 155 160

Ala Gln Ile Asn Phe Asp Ser Thr Asp Met Ser Phe Asp Asn Ser Leu
 165 170 175

Phe Thr Val Ser Ala Lys Thr Met Pro Glu Glu Asp Pro Ala Thr Leu
 180 185 190

Asp Asp His Ser Gly Thr Thr Ala Thr Pro Ser Asn Ser Arg Thr Arg
 195 200 205

Lys Arg Pro Thr Ser Thr Ser Ser Ser Pro Glu Thr Pro Glu Phe Ser
 210 215 220

Thr Phe Arg Ala Cys Gln
 225 230